SECURITY INFORMATION

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT NO.

CD NO.

COUNTRY	Germany (Russian Zone)
SUBJECT	Production of Aviation Gasoline

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(LISTED BELOW)

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THIS IS UNEVALUATED INFORMATION

Aviation gasoline is produced in the Leuna (M 52/D 91), Boehlen (N 52/K 29) and Zeitz (M 52/K 08) plants. Standard gasoline is not used as an intermediate product. Instead, the aviation gasoline is produced directly from the crude oil by hydrogenation. Large amounts of isooctane are also produced in the Soviet Zone. Production figures were not available. The entire aviation gasoline production is shipped to the U.S.S.R. where about 1 kg of fluid is added to each 1,000 liters of gasoline. Source did not know the octane number of the gasoline. *

25X1   * [ ] Comment. To date, only the Boehlen hydrogenation plant has been definitely known to produce aviation gasoline. The fluid added to the gasoline is ethyl fluid which consists of tetraethyl lead ($Pb(C_2H_5)_4$), ethylene dibromide (CH_2Br-CH_2Br) and ethylene dichloride (CH_2Cl-CH_2Cl). As no information is available concerning the quality of the aviation gasoline, it cannot be determined which octane number is achieved at a ratio of 1,000 liters of aviation gasoline to 1 kg of ethyl fluid.

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